

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(reprogramming near6 (operator or \$5processor or \$5controller)) and (program\$5 same button same jumper) and (safety with (internal or inherent or manufactur\$3 or original or inner) with operator) and ((secondary or external) with safety) and (door or fence or gate or barrier or opening or window) and (obstuction near6 detect\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 11:08
L2	141	(door or fence or gate or barrier or opening or window) and ((obstuction or entrapment) near6 detect\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 13:26
L3	40016	(\$3programming near6 (operator or \$5processor or \$5controller))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 11:10
L4	11	2 and 3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 11:11
L5	0	4 and (button same jumper) and (safety with (internal or inherent or manufactur\$3 or original or inner) with operator)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 11:12
L6	2	4 and (safety with (internal or inherent or manufactur\$3 or original or inner) with operator)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 11:14
L7	39	(door or fence or gate or barrier or opening or window) and ((obstuction or entrapment) near6 detect\$6) and (system with (select\$6 or designat\$6 or assigning))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 14:21
L8	32	7 and (\$5controller or \$5processor or \$5computer)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 11:17
L9	27	8 and \$3program\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 11:18
L10	4	9 and (safety with default) and operator and (\$5controller or \$5processor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 12:14

## EAST Search History

L11	2	"5864297".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 12:19
L12	0	11 and (select\$6 with system) and reprogram\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 12:20
L13	0	11 and (select\$6 with system) and (program\$4 with (operator or receiver))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 12:21
L14	1	11 and select\$6 and system and (program\$4 with (operator or receiver))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 13:15
L15	1	11 and select\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 13:18
L16	17	((dual or multiple) near3 safety near3 (system or device)) with (select\$6 or choice or choos\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 13:20
L17	5	16 and (barrier or door or fence or gate or window)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 13:22
L18	12	16 not 17	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 13:26
L19	41	(door or fence or gate or barrier or opening or window) and ((second\$3 or external) with ((obstuction or entrapment) near6 (sens\$3 or detect\$6 or monitor\$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 13:28
L20	2	19 and (system near3 (determ\$3 or choice or choos\$3 or select\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 13:35
L21	59	(door or fence or gate or barrier or opening or window) and ((second\$3 or external or additional or photocell or rf or (radio adj friquency) or infrared) with (obstuction or entrapment)) and program\$3 and (system near3 (determ\$3 or choice or choos\$3 or select\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 14:05

## EAST Search History

L22	6	("4638433" or "5319364" or "5109221").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 14:19
L23	0	22 and ((select\$6 near3 (entrapment or obstruction)) with (operator or \$5processor or \$5controller))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 14:10
L24	0	22 and ((select\$6 near3 (primary or secondary)) with (operator or \$5processor or \$5controller))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 14:10
L25	0	22 and ((select\$6 near3 (inner or internal or external or secondary)) with (operator or \$5processor or \$5controller))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 14:11
L26	0	22 and ((select\$6 near3 (inner or internal or external or secondary)) with program\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 14:11
L27	13	((safety near3 system) with (disconnect\$6 or connect\$6)) with (recognizing or recognition))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 14:31
L28	0	27 and (door or fence or gate or barrier or opening or window) and ((obstruction or entrapment) near6 (sens\$3 or detect\$6 or monitor\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 14:21
L29	4657	((door or fence or gate or barrier or window) and (jam or obstruction or entrapment)).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 14:32
L30	3	29 and ((select\$6 or choos\$3 or choice) with (connect\$6 near6 safety))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 14:40
L31	38677	2003-0201743 AI "5,428,923" "5,465,033" "5,929,580" "6,667,591"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 14:42
L32	68	"5,428,923" "5,465,033" "5,929,580" "6,667,591".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 14:42
L33	8	("5,428,923" "5,465,033" "5,929,580" "6,667,591").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 14:42

## EAST Search History

L34	0	us-20030201743\$.-did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 14:43
L35	2	us-20030201743\$-did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 14:44
L36	10	33 or 35	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 14:59
L37	0	us-2003210005\$-did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 15:01
L38	2	us-20030210005\$-did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/09 15:02
S1	38622	2003-0201743 AI "5,428,923" "5,465,033" "5,929,580" "6,667,591"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/06 17:21
S2	10	us-20030201743\$-did. or ( "5,428,923" "5,465,033" "5,929,580" "6,667,591" ).pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/06 17:41
S3	0	S2 and ((operator or door or closure or fence or gate) with (secondary adj2 (safety near3 (device or system))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 11:29
S4	6	(operator with (door or closure or fence or gate)) and (secondary adj2 (safety near3 (device or system)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/07 14:31
S5	3	S4 and ((wireless or photo\$6) with system)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/06 17:51
S6	12005	motor and (door or barrier or closure or fence or gate) and (safety near3 (device or system))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/07 14:39
S7	1932	S6 and (photocell or infrared)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/07 14:34

## EAST Search History

S8	384	S7 and (obstruction or intrapment)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/07 14:36
S9	408	S7 and (obstruction or entrapment)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/07 14:37
S10	12	S9 and (secondary near3 entrapment)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/07 14:38
S11	23	(secondary near3 entrapment) and motor and (door or barrier or closure or fence or gate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/07 16:46
S12	10	("6161438").URPN.	USPAT	OR	ON	2007/02/07 15:09
S13	5	("6667591").URPN.	USPAT	OR	ON	2007/02/07 15:25
S14	10	("20030102837"   "4119896"   "4405923"   "5218282"   "5278480"   "5929580"   "6161438"   "6172475"   "6229279"   "6239569").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/07 16:46
S15	0	( obstruction with (secondary near3 entrapment) with connection) and motor and (door or barrier or closure or fence or gate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/07 16:48
S16	0	( obstruction with (secondary near3 entrapment) with connection) and motor and (door or barrier or closure or fence or gate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/07 16:48
S17	83	(obstruction with (detect\$6 or monitor3 or sesn\$3)) and ((secondary or (photo adj cell) or (infra adj red)) with connect\$6) and motor and (door or barrier or closure or fence or gate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/07 16:53
S18	30	S17 and ((operat\$6 or \$5controller or \$5processor) with (safety near6 connect\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/07 16:55
S19	0	(barrier or door or closure or fence or gate) and (\$5controller or \$5processor) and ((program\$5 or algorithm) with (setting near6 (safety near3 system))) and ((operator with (inherent or inner or base)) with safety with (system or device)) and ((external or secondary) with (system or device) with safety)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 11:36

## EAST Search History

S20	367737	(barrier or door or closure or fence or gate) and (\$5controller or \$5processor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 11:36
S21	2280	S20 and (obstruction with (detect\$6 or sens\$3 or monitor\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 11:36
S22	1690	S21 and (program\$5 or algorithm)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 11:37
S23	2	S22 and (setting near6 (safety near3 system))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 11:39
S24	254	S22 and ((photocell or (photo adj cell) or infrared or (radio near2 frequency) or rf or accoustic) with transmitter) and (remote or local)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 11:42
S25	254	S22 and ((photocell or (photo adj cell) or infrared or (radio near2 frequency) or rf or accoustic) with transmitter) and (remote or local or (wall near3 station))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 11:43
S26	0	S25 and ((entrap\$4 with (detect\$6 or monitor\$3 or sens\$3)) with (program or algorithm))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 11:44
S27	0	S25 and ((entrap\$4 with (detect\$6 or monitor\$3 or sens\$3)) with (program or algorithm))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 11:45
S28	98	S25 and ((setting or mode) with (program\$4 or algorithm))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 11:48
S29	1	S28 and (operator with (safety near6 feature)) and ((remote with (safety near3 feature)) or ((stationary or local) with (safety near6 feature)) or (wall with (safety near6 feature)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:26
S30	103	((obstruction near3 (detect\$6 or sens\$3)) with program\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 18:01

## EAST Search History

S31	4	S30 and (((detect\$6 or sens\$3 or monitor\$4) near6 ((feature or device) near3 safety))) with \$4program\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:31
S32	0	S31 and (internal near3 (safety near3 (device or feature))) and (external near3 (safety near3 (device or feature)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:32
S33	1	S30 and (internal near3 (safety near3 (device or feature))) and (external near3 (safety near3 (device or feature)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:33
S34	1	((door or fence or barrier) with obstruction) and (internal near3 (safety near3 (device or feature))) and (external near3 (safety near3 (device or feature))) and \$3program\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:34
S35	0	S34 not S33	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:34
S36	0	"49"/\$.ccls. and ((door or fence or barrier) with obstruction) and (internal near3 (safety near3 (device or feature))) and (external near3 (safety near3 (device or feature))) and \$3program\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:34
S37	0	"49"/\$.ccls. and ((door or fence or barrier) with obstruction) and (internal near3 (safety near3 (device or feature))) and (external near3 (safety near3 (device or feature))) and \$3program\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:38
S38	0	318/466.ccls. and ((door or fence or barrier) with obstruction) and (internal near3 (safety near3 (device or feature))) and (external near3 (safety near3 (device or feature))) and \$3program\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:39
S39	0	318/466.ccls. and ((door or fence or barrier) with obstruction) and (internal near3 (safety near3 (device or feature))) and (external near3 (safety near3 (device or feature))) and (\$3program\$6 with connect\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:40

## EAST Search History

S40	0	318/466.ccls. and (door or fence or barrier) and obstruction and (internal\$4 near6 (safety near3 (device or feature))) and (external\$4 near6 (safety near3 (device or feature))) and (\$3program\$6 with connect\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:42
S41	1	318/286.ccls. and (door or fence or barrier) and obstruction and (internal\$4 near6 (safety near3 (device or feature))) and (external\$4 near6 (safety near3 (device or feature))) and (\$3program\$6 with connect\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:42
S42	0	318/266.ccls. and (door or fence or barrier) and obstruction and (internal\$4 near6 (safety near3 (device or feature))) and (external\$4 near6 (safety near3 (device or feature))) and (\$3program\$6 with connect\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:43
S43	0	318/266.ccls. and (door or fence or barrier) and obstruction and (internal\$4 near6 (safety near3 (device or feature))) and (external\$4 near6 (safety near3 (device or feature))) and (\$3program\$6 with (device or connect\$3 or feature))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:44
S44	0	49/26.ccls. and (door or fence or barrier) and obstruction and (internal\$4 near6 (safety near3 (device or feature))) and (external\$4 near6 (safety near3 (device or feature))) and (\$3program\$6 with (device or connect\$3 or feature))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:44
S45	0	49/28.ccls. and (door or fence or barrier) and obstruction and (internal\$4 near6 (safety near3 (device or feature))) and (external\$4 near6 (safety near3 (device or feature))) and (\$3program\$6 with (device or connect\$3 or feature))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:45



## EAST Search History

S46	4	(318/286 or 318/466 or 318/266 or 318/265).ccls. and (door or fence or barrier or gate or window) and obstruction and ((internal\$4 or primary) near6 (safety near3 (device or feature))) and ((external\$4 or secondary) near6 (safety near3 (device or feature))) and (\$3program\$6 with (external or secondary or internal in inherent or primary))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:49
S47	1	"5864297".pn. and (reprogram\$5 with (different near3 transmitt\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:54
S48	0	S30 and (reprogram\$5 with (different near3 transmitt\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 17:50
S49	2	"5864297".pn. and reprogram\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 18:00
S50	643	(340/5.1 or 340/5.2 or 340/31).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 18:00
S51	0	S50 and ((obstruction near3 (detect\$6 or sens\$3)) with program\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 18:01
S52	365	S50 and (door or fence or gate or barrier)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 18:02
S53	0	S52 and (safety with reprogram\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 18:02
S54	2	S52 and safety and ((\$5processor or \$5controller) with reprogram\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 18:07
S55	46	"4808995"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 18:13

## EAST Search History

S56	0	S55 and ((\$5processor or \$5controller) with (reprogram\$3 or (changing near3 program\$3)) with ((sens\$3 or detect\$6) near3 (device or feature)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/02/08 18:16
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